

C U R R I C U L U M V I T A E

Personal Data

Surname **Georgakilas**
Name **Vasileios**
Birth Date / Place 1 9 6 7 Soufli Evrou Greece

e-mail : viageorgaki@upatras.gr

Research & Teaching Appointments

2013- Tenured Assistant Professor at the Materials Science Department of University of Patras.
2004 – 2012 Chemist - Institute of Food Hygiene (Ministry of Agricultural Development & Food).
 Research Associate - Institute of Materials Science, N.C.S.R "Demokritos"
2002-2004 Research Associate - Institute of Materials Science, N.C.S.R "Demokritos".
 Adjunct Professor (Basic & Inorganic Chemistry) in the Technological Educational Institute of Athens
 (Greece).
2000 – 2002 Post-doctoral researcher - Department of Pharmaceutical Sciences of University of Trieste (Italy).
1999 – 2000 Post-doctoral researcher - Institute of Materials Science, N.C.S.R "Demokritos".
 Adjunct Professor (Basic Chemistry, Chemistry-fuels-lubricants) at the Hellenic Air Force Academy
 (Athens – Greece).
1997 - 1999 Adjunct Professor (Basic Chemistry) in the Technological Educational Institute of Kalamata (Greece).

Academic Studies

1990 - 1995 PhD Thesis in Organic Chemistry - University of Ioannina, School of Science, Department of Chemistry.
1985 -1989 Basic studies: University of Ioannina, School of Science, Department of Chemistry.

Research – Profesional experience

- University of Patras, Materials Science Dept. **(2013-)** Tenured Assistant Proffesor in the field of "Synthesis of functional micro/nanostructural and/or molecular and/or biomolecular materials".
- Ministry of Agricultural Development and Food of Greece, Institute of Food Hygiene, Laboratory of residue analysis **(2004-2012)**. Chemist, responsible for the determination of organic residues in food and the development of analytical methods for the determination of drugs, organic pollutants, pecticides as residues in food stuff.
- N.C.S.R "Demokritos", Institute of Materials Science, Laboratory of layered and nanostructured material. Research accociate in the frame of ENTER program "**Synthesis of carbon nanotubes in aluminosilicate fosils and its applications**". **(2002 – 2004)**. Research associate. **(2004-2012)**
- University of Trieste, Laboratory of Organic Chemistry, Dept of Pharmaceuatical Science **(2000–2002)**. Post-doctoral fellow in the RTN (Rechearch Training Network) European program "**FUNCARS – Chemical modification of Carbon Nanotubes**". Supervisor: **Maurizio Prato**, Professor.
- N.C.S.R "Demokritos", Laboratory of layred and nanostructured material, Institute of Materials Science. **(1999 – 2000)**. Post-doctoral fellow in PENED program "**Modification of betonite and perlite for the removal of toxic organic pollutants and heavy metals**".

- University of Ioannina, School of Science, Dept. of Chemistry, Lab of Organic Chemistry. (1990 – 1995). *PhD Thesis title: Photodissociation of para-arylmethyl derivatives of benzophenone. Synthesis and study with EPR spectroscopy and pulse laser photolysis*” Supervisor: A. Zarkadis, Associate Professor.

Research Interests

- Nanostructured Carbon materials (graphenes, nanotubes, fullerenes, carbon dots, new carbon allotropes). Synthesis, chemical modification, new hybrids and composite materials using polymers, metallic nanoparticles, organic molecules, chromophores.

Publications

71 articles in scientific journals (6 of them review article and 1 invited feature article) which have been cited more than 5200 times, *h*-factor: 31 (web of science). 1 European patent, 13 articles in conference proceedings. Mean journal impact factor: 7.2

a) articles published in Scientific Journals.

- 2015 [71] *Interfacial polymerization of conductive polymers: generation of polymeric nanostructures in a 2-D space*. P. Dallas,* V. Georgakilas, *Advances in Colloid and Interface Science*, 2015, 224, 46-61. (impact factor: 7,8)
- [70] *Highly dispersible disk-like graphene nanoflakes*. V. Georgakilas,* K. Vrettos, K. Katomeri, A. Kouloumpis, K. Dimos, D. Gournis, R. Zboril, *Nanoscale*, 2015, 7, 37, 15059 - 15064. (impact factor: 7,8)
- [69] *Broad Family of Carbon Nanoallotropes - Classification, Chemistry and Advanced Architecture of Fullerene, Nanotube, Graphene and their Relatives*. V. Georgakilas, J.A. Perman, J. Tucek, R. Zboril, *Chemical Review*, 2015, 115 (11), 4744–4822. (impact factor: 46.6)
- [68] *A bottom-up approach for the synthesis of highly ordered fullerene-intercalated graphene hybrids*. A. Kouloumpis, K. Spyrou, V. Georgakilas, P. Rudolf, D. Gournis, *Frontiers in Journal*, 2015, <http://dx.doi.org/10.3389/fmats.2015.00010>.
- [67] *Hydrophilic Nanotube Supported Graphene–Water Dispersible Carbon Superstructure with Excellent Conductivity*. V. Georgakilas,* A. Demeslis, E. Ntararas, A. Kouloumpis, K. Dimos, D. Gournis, R. Zboril, *Adv. Funct. Mat.*, 2015, 25, 1481–1487. (impact factor: 10.4)
- 2014 [66] *Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes*. T. Tsoufis, A. Ampoumogli, D. Gournis, V. Georgakilas, L. Jankovic, K.C. Christoforidis, Y. Deligiannakis, A. Mavrandonakis, G.E. Froudakis, E. Maccallini, P. Rudolf, A. Mateo-Alonso, M. Prato, *Carbon* 2014, 67, 424 – 433.
- 2013 [65] *The effect of graphene on liquid-crystalline blue phases*. M. Lavric, V. Tzitzios, S. Kralj, G. Cordoyiannis, I. Lelidis, G. Nounesis, V. Georgakilas, H. Amenitsch, A. Zidansek, Z. Kutnjak, 2013, *Applied Physics Letters* 103, 143116.
- [64] *Tuning the Dispersibility of Carbon Nanostructures from Organophilic to Hydrophilic: towards the Preparation of New Multipurpose Carbon-Based Hybrids*. V. Georgakilas,* A. Kouloumpis, D. Gournis, A. Bourlinos, C. Trapalis, R. Zboril, *Chem. Eur. J.* 2013, 19, 12884-91.
- [63] *Incorporation of Pure Fullerene into Organoclays: Towards C60-Pillared Clay Structures*. T. Tsoufis, V. Georgakilas, X. Ke, G. Van Tendeloo, P. Rudolf, D. Gournis, *Chem. Eur. J.* 2013, 19, 7937 – 7943.
- 2012 [62] *Functionalisation of graphene*. V. Georgakilas, M. Otyepka, A.B. Bourlinos, V. Chandra, N. Kim, K.C. Kemp, P. Hobza, R. Zboril, K.S. Kim,

- [61] **Aqueous-dispersible fullerol-carbon nanotube hybrids.** A. B. Bourlinos, V. Georgakilas, A. Bakandritsos, A. Kouloumpis, D. Gournis, R. Zboril, *Materials Letters* 82 (2012) 48–50.
- 2010 [60] **Graphene Fluoride: A Stable Stoichiometric Graphene Derivative and its Chemical Conversion to Graphene.** R. Zboril, F. Karlicky, A.B. Bourlinos, T.A. Steriotis, A.K. Stubos, V. Georgakilas, K.Safárová, D. Jancik, C. Trapalis, M. Otyepka, *Small* **2010**, 6, 2773–2914
- [59] **Fullerol ionic fluids.** N. Fernandes, P. Dallas, R. Rodriguez, A. Bourlinos, V. Georgakilas, E. Giannelis, *Nanoscale*, **2010**, 2(9) 1653-1656.
- [58] **Organic functionalisation of graphenes.** V. Georgakilas,* A.B. Bourlinos, R. Zboril, T. Steriotis, P. Dallas, A.K. Stubos, C. Trapalis, *Chem. Commun.*, 2010, 46, 1766–1768.
- [57] **Chemical Functionalization of Ultrathin Carbon Nanosheets.** V. Georgakilas, *Fullerenes, Nanotubes and Carbon Nanostructures*, 18: 87-95, 2010.
- 2009 [56] **Aqueous-phase exfoliation of graphite in the presence of polyvinylpyrrolidone for the production of water-soluble graphenes.** A.B. Bourlinos, V. Georgakilas, R. Zboril, T.A. Steriotis, A.K. Stubos, C. Trapalis, *Solid State Commun.*, 2009, 149, 2172-2176.
- [55] **Liquid-phase Exfoliation of Graphite Towards Solubilized Single Graphenes.** A.B. Bourlinos, V. Georgakilas, R. Zboril, T.A. Steriotis, A. Stubos, *Small*, 2009, 5, 1841-45.
- [54] **Direct synthesis of carbon nanosheets by the solid-state pyrolysis of betaine.** A.B. Bourlinos, T.A. Steriotis, R. Zboril, V. Georgakilas, A. Stubos, *Journal of Materials Science*, 2009, 44, 1407–1411.
- [53] **Pyrolytic formation and photoluminescence properties of a new layered carbonaceous material with graphite oxide-mimicking characteristics.** A.B. Bourlinos, V. Georgakilas, R. Zboril, A. Bakandritsos, A. Stassinopoulos, D. Anglos, E.P. Giannelis, *Carbon*, 2009, 47 (2), 519-526.
- [52] **Polypyrrole/MWNT nanocomposites synthesized through interfacial polymerization.** V. Georgakilas,* P. Dallas, C. Trapalis, N. Boukos, D. Niarchos *Synthetic Metals*, 2009, 159, 7-8, 632-636.
- 2008 [51] **Novel nanohybrids derived from the attachment of FePt nanoparticles on carbon nanotubes.** T. Tsoufis, A. Tomou, D. Gournis, I. Panagiotopoulos, B. Kooi, V. Georgakilas, A.P. Douvalis, T. Bakas, *J. Nanosc. Nanotech.*, 2008, 8 (11), 5942-5951.
- [50] **Easy deposition of amorphous carbon films on glass substrates.** A.B. Bourlinos, V. Georgakilas, R. Zboril, *Carbon*, 2008, 46 (13), 1801-1804.
- [49] **Reaction of graphite fluoride with NaOH-KOH eutectic.** A.B. Bourlinos, V. Georgakilas, R. Zboril, D. Jancik, M.A. Karakassides, A. Stassinopoulos, D. Anglos, E.P. Giannelis, *Journal of Fluorine Chemistry*, 2008, 129 (8), 720-724.
- [48] **Photoluminescent Carbogenic Dots.** A.B. Bourlinos, A. Stassinopoulos, D. Anglos, R. Zboril, V. Georgakilas, E.P. Giannelis, *Chem. Mater.*, 2008, 20 (14), 4539-4541.
- [47] **Multi-Purposed Organically Modified Carbon Nanotubes: From functionalization to nanotube composites.** V. Georgakilas,* A. Bourlinos, D. Gournis, T. Tsoufis, C. Trapalis, A. Mateo Alonso, M. Prato, *J. Am. Chem. Soc.*, 2008, 130 (27), 8733-8740.
- [46] **A general chemical route for the synthesis of capped nanocrystalline materials.** V. Tzitzios, V. Georgakilas, I. Zafiropoulou, N. Boukos, G. Basina, D. Niarchos and D. Petridis, *J. Nanosci. Nanotechnol.*, 2008, 8 (6), 3117-3122.
- [45] **Synthesis, Characterization and Aspects of Superhydrophobic Functionalized Carbon Nanotubes.**

- V. Georgakilas, * AB. Bourlinos, R. Zboril, C. Trapalis, *Chem. Mater.*, 2008, 20, 2884–2886.
- 2007 [44] *Preparation of a water-dispersible carbon nanotube-silica hybrid.*
A.B. Bourlinos, V. Georgakilas, R. Zboril, P. Dallas, *Carbon*, 2007, 45, 2126–2139.
- [43] *Decorating Carbon Nanotubes with Metal or Semiconductor Nanoparticles.* V. Georgakilas, * D. Gournis, V. Tzitzios, L. Pasquato, * DM. Guldi, M. Prato, (*Invited Feature Article*) *J. Mater. Chem.*, 2007, 17, 2679–2694.
- [42] *Large-Scale Synthesis, Size Control, and Anisotropic Growth of Fe₂O₃ Nanoparticles: Organosols and Hydrosols.* V.K. Tzitzios, A. Bakandritsos, V. Georgakilas, G. Basina, N. Boukos, A.B. Bourlinos, D. Niarchos, and D. Petridis, *J. Nanosci. Nanotechnol.*, 2007, 7, 2753–2757.
- [41] *Silicone-functionalized carbon nanotubes for the production of new carbon based fluids.*
A.B. Bourlinos, V. Georgakilas, N. Boukos, P. Dallas, C. Trapalis, E.P. Giannelis, *Carbon*, 2007, 45, 1583–1595.
- [40] *Sorption Properties of Soluble Single-Walled Carbon Nanotubes.*
E.C. Vermisoglou, V. Georgakilas, E. Kouvelos, G. Pilatos, G. Romanos, N. Kanellopoulos, *Mesoporous & Microporous Materials*, 2007, 99, 98-105.
- 2006 [39] *Functionalized Carbon Nanotubes with Liquid-like Behavior: Access to Meltable and Amphiphilic Derivatives.* A. Bourlinos, V. Georgakilas, V. Tzitzios, N. Boukos, D. Petridis, R. Herrera, E. Giannelis, *Small*, 2006, 2, 1188 – 1191.
- [38] *The photo-Fries rearrangement of 9-trimethylsilyl substituted xanthenes.* M.G. Siskos, A.K. Zarkadis, P.S. Gritzapis, O. Brede, R. Hermann, V.S. Melissas, G.G. Gurzadyan, A.S. Triantafyllou, V. Georgakilas, *J. Photoch. & Photobiol. A: Chemistry*, 2006, 182, 17–27.
- [37] *Chemical synthesis and characterization of hcp Ni nanoparticles.*
V. Tzitzios, G. Basina, M. Gjoka, V. Alexandrakis, V. Georgakilas, D. Niarchos, N. Boukos, D. Petridis, *Nanotechnology*, 2006, 17, 3750-3755.
- [36] *Facile synthesis of capped γ -Fe₂O₃ and Fe₃O₄ nanoparticles.*
AB. Bourlinos, A. Bakandritsos, V. Georgakilas, V. Tzitzios, D. Petridis, *J. Mater. Sci.*, 2006, 41, 5250–5256.
- [35] *Synthesis and Characterization of Monodispersed Rhodium Nanoparticles Organized in 3-D Symmetrical Structures Soluble in Organic Media.*
V. Tzitzios, V. Georgakilas, D. Niarchos, D. Petridis, *J. Nanosci & Nanotechnol*, 2006, 6, 2081-2083.
- [34] *Clay-fulleropyrrolidine nanocomposites.*
D. Gournis, L. Jankovic, E. Maccallini, D. Benne, P. Rudolf, C. Sooambar, V. Georgakilas, M. Prato, M. Fanti, F. Zerbetto, G.H. Sarova, D.M. Guldi, *J. Am. Chem. Soc.*, 2006, 128, 6154-6163.
- [33] *Synthesis, characterization and thermal properties of polymer/magnetite nanocomposites.*
P. Dallas, V. Georgakilas, D. Niarchos, P. Komninou, T. Kehagias, D. Petridis, *Nanotechnology*, 2006, 17, 2046–2053.
- [32] *Synthesis and characterization of carbon nanotube/metal nanoparticle composites well dispersed in organic media.* V. Tzitzios, V. Georgakilas, E. Ekonomou, M. Karakassides, D. Petridis, *Carbon*, 2006, 44, 848-853.
- 2005 [31] *Thermal stripping of supramolecular structures: C₆₀ nanorods.*
M. Mannsberger, A. Kukovecz, V. Georgakilas, J. Rechthaler, J. Schalko, F. Hasi, G. Allmaier, M. Prato, H. Kuzmany, *J. Nanosci. Nanotechnol.*, 2005, 5, 198-203.
- [30] *Triplet- vs. singlet-state imposed photochemistry. The role of substituent effects on the photo-Fries and photodissociation reaction of triphenylmethyl silanes.* A.K. Zarkadis, V. Georgakilas, G.P. Perdikomatis, A. Trifonov, G.G. Gurzadyan, S. Skoulika, M.G. Siskos, *Photochem. Photobiol. Sci.*, 2005, 4, 469 – 480.
- [29] *Catalytic reduction of N₂O with CH₄ and C₃H₆ over Ag–Rh/Al₂O₃ bimetallic catalyst in the presence of*

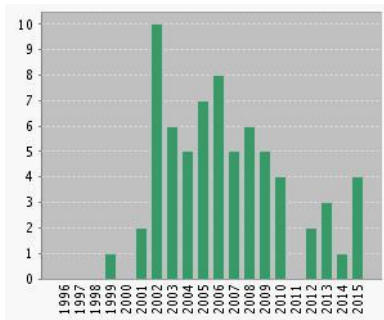
- oxygen*. V. Tzitzios, V. Georgakilas, V. Angelidis, *J. Chem Technol Biotechnol*, 2005, 80: 699–704.
- [28] *Catalytic reduction of N₂O over Ag–Pd/Al₂O₃ bimetallic catalysts*.
V. Tzitzios, V. Georgakilas, *Chemosphere*, 2005, 59, 887–891.
- [27] *Nanoscale Organization of a Phthalocyanine-Fullerene System: Remarkable Stabilization of Charges in Photoactive 1-D Nanotubes*. D.M Guldi, A. Gouloumis, P. Vazquez, T. Torres, V. Georgakilas, M. Prato, *J. Am. Chem. Soc.*, 2005, 127, 5811-5813.
- [26] *Attachment of magnetic nanoparticles on carbon nanotubes and their soluble products*.
V. Georgakilas, V. Tzitzios, D. Gournis, D. Petridis, *Chem. Mater.*, 2005, 17, 1613-1617.
- [25] *Ordering fullerene materials at nanometer dimensions*.
D.M. Guldi, F. Zerbetto, V. Georgakilas, M. Prato, *Accounts Chem. Res.*, 2005, 38, 38-43.
- 2004 [24] *Incorporation of fullerene derivatives into smectite clays: A new family of organic – inorganic nanocomposites*. D. Gournis, V. Georgakilas, M.A. Karakassides, T. Bakas, K. Kordatos, M. Prato, M. Fanti, F. Zerbetto, *J. Am. Chem. Soc.*, 2004, 126: 8561-8568.
- [23] *Scanning Probe Microscopy and Spectroscopy of Carbon Nanorods grown by Self Assembly*. M. Mannsberger, A. Kukovecz, V. Georgakilas, J. Rechthaler, F. Hasi, G. Allmeier, M. Prato, H. Kuzmany, *Carbon* 2004, 42(5-6), 953-960.
- [22] *Organic Derivatization of Single-Wall Carbon Nanotubes by Clays and Intercalated Derivatives*.
V. Georgakilas, D. Gournis, M.A. Karakassides, A. Bakandritsos, D. Petridis, *Carbon*, 2004, 42, 865-870.
- [21] *Functionalised Single Wall Carbon Nanotubes/Polypyrrole Composites for the Preparation of Amperometric Glucose Biosensors*. A. Callegari, S. Cosnier, M. Marcaccio, D. Paolucci, F. Paolucci, V. Georgakilas, N. Tagmatarchis, E. Vasquez, M. Prato, *J. Mat. Chem.*, 2004, 14, 807-810.
- [20] *Cyclic Voltammetry and Bulk Electronic Properties of Soluble Carbon Nanotubes*.
M. Melle-Franco, M. Marcaccio, D. Paolucci, F. Paolucci, V. Georgakilas, D.M. Guldi, M. Prato, F. Zerbetto, *J. Am. Chem. Soc.*, 2004, 126, 1646-1647.
- 2003 [19] *Organic functionalization and optical properties of carbon onions*.
V. Georgakilas, D.M. Guldi, R. Signorini, R. Bozio, M. Prato, *J. Am. Chem. Soc.*, 2003, 125: 14268-69.
- [18] *Soluble Carbon Nanotubes (Review)*,
D. Tasis, N. Tagmatarchis, V. Georgakilas, M. Prato, *Chem. Eur. J.*, 2003, 9, 4001-4008.
- [17] *Clays as host matrix in the synthesis of organic macrocycles*.
V. Georgakilas, D. Gournis, A. Bourlinos, M. Karakassides, D. Petridis, *Chem. Eur. J.*, 2003, 9, 3904-3908.
- [16] *First Comparative Emission Assay of Single-Wall Carbon Nanotubes - Solutions and Dispersions*.
D. Guldi, M. Holzinger, A. Hirsch, V. Georgakilas, M. Prato, *Chem.Comm.* 2003, 1130-31.
- [15] *Supramolecular Organized Structures of Fullerene-Based Materials and Organic Functionalization of Carbon Nanotubes (Review article)*
D. Tassis, N. Tagmatarchis, V. Georgakilas, M. Prato, *Comp. Red. Chim.*, 2003, 6, 597–602.
- [14] *A Novel Route Towards Iron- and Chromium-Containing MCM-41 Materials Through Melt-Exchange of the Template*.
A. Bourlinos, M.A. Karakassides, D. Gournis, V. Georgakilas, A. Moukarika, *Chem. Lett.*, 2003, 32, 38-39.
- 2002 [13] *Purification of carbon nanotubes via organic functionalization*.
V. Georgakilas, D. Voulgaris, E. Vazquez, M. Prato, D. Goulidi, A. Kukovecz, H. Kuzmany, *J. Am. Chem. Soc.*, 2002, 124, 14318-14319.
- [12] *Amino acid functionalisation of water soluble carbon nanotubes*.

- V. Georgakilas, N. Tagmatarchis, D. Pantarotto, A. Bianco, J.P. Briand, M. Prato, *Chem.Comm.*, 2002, 3050-3051.
- [11] Microwave-Assisted Purification of HipCO carbon nanotubes.**
- E. Vazquez, V. Georgakilas, M. Prato, *Chem.Comm.*, 2002, 2308-2309.
- [10] Sidewall functionalization of Single-Wall carbon nanotubes through electrophilic addition.**
- N. Tagmatarchis, V. Georgakilas, M. Prato, H. Shinohara, *Chem.Comm.*, 2002, 2010-2011.
- [9] Surface modification of ultrafine magnetic iron oxide particles through ligand exchange reactions on capped $\gamma\text{-Fe}_2\text{O}_3$ nanocrystals.**
- A. Bourlinos, A. Bakandritsos, V. Georgakilas, D. Petridis, *Chem.Mater.*, 2002, 14, 3226-3228.
- [8] A Detailed Raman Study on Thin Single-Wall Carbon Nanotubes prepared by the HipCO Process.**
- A. Kukovecz, C. Kramberger, V. Georgakilas, M. Prato, H. Kuzmany, *Eur. Phys. J. B*, 2002, 28, 223-230.
- [7] Supramolecular self-assembled fullerene nanostructures.**
- V. Georgakilas, F. Pellarini, M. Prato, D.M. Guldi, M. Melle-Franco, F. Zerbetto, *P. Natl. Acad. Sci. USA*, 2002, 99, 5075-5080.
- [6] Friedel-Crafts acetylation and benzylation of benzylsilanes and xanthenes.**
- V. Georgakilas, G. Perdikomatis, A. Triantafyllou, M. Siskos, A. Zarkadis, *Tetrahedron*, 2002, 58, 2441-47.
- [5] Organic Functionalization of Carbon Nanotubes.**
- V. Georgakilas, K. Kordatos, M. Prato, D.M. Guldi, M. Holzinger, A. Hirsch, *J.Am.Chem.Soc.*, 2002, 124, 760.
- 2001 [4] Organo-clay derivatives in the synthesis of macrocycles.**
- V. Georgakilas, D. Gournis, D. Petridis, *Angew. Chem. Int. End.*, 2001, 113, 4416-4418.
- 1994 [3] Novel versatile fullerene synthons.**
- K. Kordatos, T. Da Ros, S. Bosi, E. Vazquez, M. Bergamin, C. Cusan, F. Pellarini, V. Tomberli, B. Baiti, D. Pantaroto, V. Georgakilas, G. Spalluto, M. Prato, *J. Org. Chem.*, 2001, 66, 4915-4920.
- [2] Formation of chloroform by aqueous chlorination of organic compounds.**
- C.I. Chaidou, V. Georgakilas, C. Stalikas, M. Saraci, E.S. Lahaniatis, *Chemosphere*, 1999, 39, 587-594.
- [1] Determination of Airborne Aromatic and Polyaromatic Hydrocarbons in two Cities in North - Western Greece.** I. Karanasios, V. Georgakilas, G. Pilidis, E. Lahaniatis, *Fresenius Envir.Bull*, 1994, 3:(8), 511-516.

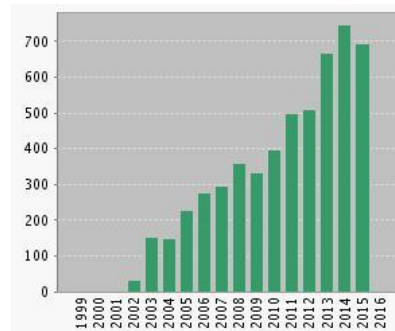
Citations (excluding self citations)

Article number	Citations	Article number	Citations	Article number	Citations	Article number	Citations
67 ⁿ	882	51 ⁿ	80	32 ⁿ	29	71 ⁿ	8
10 ⁿ	776	63 ⁿ	79	50 ⁿ	29	18 ⁿ	6
54 ⁿ	413	35 ⁿ	77	44 ⁿ	28	43 ⁿ	6
29 ⁿ	405	40 ⁿ	69	70 ⁿ	22	7 ⁿ	5
24 ⁿ	271	52 ⁿ	68	13 ⁿ	20	8 ⁿ	5
60 ⁿ	247	62 ⁿ	62	55 ⁿ	17	30 ⁿ	4
17 ⁿ	192	39 ⁿ	55	68 ⁿ	17	37 ⁿ	3
59 ⁿ	168	39 ⁿ	55	21 ⁿ	16	5 ⁿ	3
47 ⁿ	157	61 ⁿ	54	49 ⁿ	16	15 ⁿ	3
46 ⁿ	156	33 ⁿ	48	28 ⁿ	15	11 ⁿ	2
65 ⁿ	154	53 ⁿ	45	36 ⁿ	15	6 ⁿ	1
45 ⁿ	137	27 ⁿ	44	23 ⁿ	11	9 ⁿ	1
12 ⁿ	136	27 ⁿ	44	57 ⁿ	10	22 ⁿ	1
25 ⁿ	128	56 ⁿ	43	42 ⁿ	10	22 ⁿ	1
69 ⁿ	108	48 ⁿ	34	3 ⁿ	9	58 ⁿ	1
14 ⁿ	106	38 ⁿ	33	19 ⁿ	8		
64 ⁿ	103	31 ⁿ	33	26 ⁿ	8		
16 ⁿ	94	20 ⁿ	31	66 ⁿ	8		

Published Items in Each Year



Citations in Each Year



The latest 20 years are displayed.

b) European Patent.

[1] **Purification process of carbon nanotubes** V. Georgakilas, M. Prato. European patent with no WO2004013043, (2004-02-12), Cod of international rate C01B31/02.

c) Books and book chapters.

- **“Functionalisation of Graphene”** Edited by Vasileios Georgakilas © 2014 Wiley-VCH Verlag GmbH & Co. KGaA. Published 2014 by Wiley-VCH Verlag GmbH & Co. KGaA. Author of the chapters **“Covalent Attachment of Organic Functional Groups on Pristine Graphene”**, **“Addition of Organic Groups through Reactions with Oxygen Species of Graphene Oxide”**, **“Functionalization of Graphene by other Carbon Nanostructures”**.
- **“Organic Functionalization of Nanotubes by Dipolar Cycloaddition”** V. Georgakilas, D. Gournis, title chapter **“Surface Modification of Nanotube Fillers”**, Edited by Vikas Mittal. © 2011 Wiley-VCH Verlag GmbH & Co. KGaA. Published 2011 by Wiley-VCH Verlag GmbH & Co. KGaA.

d) Conference Proceedings.

- [1] **Photodissociation of the benzylic bond in arylmethyl derivatives of aniline and benzophenone: A Laser flash photolysis and ESR study.** V. Georgakilas, A. Zarkadis, XVIII Intern. Conference on Photochemistry, Warsaw, Poland **1997**.
- [2] **Photodissociation of the benzylic bond in arylmethyl derivatives of benzophenone: a laser flash photolysis and ESR study”.** A. Zarkadis, V. Georgakilas, D. Tassis, M. Siskos, S. Steenken, 37th IUPAC Conference, Berlin, **1999**,
- [3] **Synthesis of novel fullerene derivatives for material applications.** V. Georgakilas, et al, *“In Structural and Electronic Properties of Molecular Nanostructures”*; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 591, *AIP Conference Proceedings* **2001**, pp 515-518.
- [4] **Organic functionalized carbon nanotubes.** Georgakilas, V.; et al, M. *“In Structural and Electronic Properties of Molecular Nanostructures”*; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 633, *AIP Conference Proceedings* **2002**; pp 73-76.
- [5] **Resonance Raman properties of pristine and intercalated HiPCO Single Wall Carbon Nanotubes.** Kukovecz, et al. *“In Structural and Electronic Properties of Molecular Nanostructures”*; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 633; *AIP Conference Proceedings* **2002**; pp 306-309.
- [6] **Control of Supramolecular Shapes at Nanometer Level.** Georgakilas, V.; et al. *“In Structural and Electronic Properties of Molecular Nanostructures”*; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 633; *AIP Conference Proceedings* **2002** 464-469.

- [7] **Organic functionalization of carbon nanotubes.** D. Tasis, et al. "In Structural and Electronic Properties of Molecular Nanostructures"; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 685; *AIP Conference Proceedings* 282-286, (2003).
- [8] **SideWall Electrophilic Functionalization of Carbon Nanotubes.** N. Tagmatarchis, V. Georgakilas, D. Tasis, M. Prato, H. Shinohara, "In Structural and Electronic Properties of Molecular Nanostructures"; Kuzmany, H., Fink, J., Mehring, M., Roth, S., Eds.; The Am Inst Phys: Woodbury, New York, Vol. 685; *AIP Conference Proceedings* (1) 287 (2003)
- [9] **Fullerene-based morphologically organized superstructures and soluble functionalised carbon nanotubes materials.** Georgakilas V, etal. In *The Exciting World of Nanocages and Nanotubes*; Kamat, P., Guldi, D., Kadish, K., Eds.; *Electrochemical Society*: Pennigton, NJ, 2002; Vol. 12; pp 82-87.
- [10] **Organic functionalization of carbon nanotubes with amino acids.** D. Pantarotto, V. Georgakilas, etal. *Nanobiotechnologies II*, 2003 Grenoble, France.
- [11] **Catalytic synthesis of carbon nanotubes on clay minerals.** D. Petridis, D. Gournis, V. Georgakilas, M.A. Karakassides, NATO-Adv Study Inst (ASI) *Nanoeng Nanofibrous Materials*, 2003 Antalya, Turkey.
- [12] **Integrating single wall carbon nanotubes into donor – acceptor nanohybrids.** D.M. Guldi, A. Raman, J. Ramey, N. Jux, V. Georgakilas, N. Tagmatarchis, M. Prato, *Proceedings – Electrochemical Society PV* 2004 – 12, 237-242.
- [13] **Revealing the interparticle magnetic interactions of iron oxide nanoparticles – carbon nanotubes hybrid materials.** A.P. Douvalis, V. Georgakilas, T. Tsoufis, D. Gournis, B. Kooi, T. Bakas, *Journal of Physics: Conf Ser* 217 (1), art. No. 012093.

e) Presentations in Conferences.

- 6^o & 7th International Symposium "Environmental Pollution and its Impact on Life in the Mediterranean Region", 1991 in Como – Italy & 1993 in Juan Les Pins - Antibes, France, organized by MESAEP.
- 15^o International Winterschool "Electronic Properties of Novel Materials (EURO Conference), 2001, Kirchberg, Austria.
- 16^o International Winterschool "Electronic Properties of Novel Materials (EURO Conference), 2002, Kirchberg, Austria. "Resonance Raman properties of pristine and intercalated HipCO Single Wall Carbon Nanotubes" & "Organic functionalization of carbon nanotubes".
- European Research Conference «Chemistry and Physics of Multifunctional Materials: from clever molecules to smart materials Euroconference», Tomar, Portugal, 11 to 16 September 2004. "Clays as "Acid Catalysts for Organic Derivatization of Single-Walled Carbon Nanotubes and its Intercalated Derivatives" D. Gournis, V. Georgakilas, L. Jankovic, M.A. Karakassides, K. Dimos, A. Bakandritsos and D. Petridis. "Incorporation of Fullerene Derivatives into Smectite Clays : A New Family of Organic - Inorganic Nanocomposites" C. Sooambar, M. Prato, D. Gournis, V. Georgakilas, M.A. Karakassides, T. Bakas, K. Kordatos, M. Fanti, F. Zerbetto, L. Jankovič, D. Benne, P. Rudolf.
- Vlieland 2005, biannual MSC/MSCplus meeting, Vlieland, The Netherlands, 29–31/05/2005, "Intercalation of a water-soluble fullerene bisadduct derivative into smectite clays" E. Maccallini, L. Jankovič, D. Gournis, D. Benne, J.-F. Colomer, C. Sooambar, V. Georgakilas, M. Prato, M. Fanti, F. Zerbetto, and P. Rudolf.
- CASSIUSCLAYS Network Meeting, Valletta, Malta, 9-12/6/2005, "Intercalation of a water-soluble fullerene bisadduct derivative into smectite clays: XPS and TEM investigation" E. Maccallini, L. Jankovič, D. Gournis, D. Benne, J.-F. Colomer, C. Sooambar, V. Georgakilas, M. Prato, M. Fanti, F. Zerbetto, and P. Rudolf.
- Workshop "Magnetic Nanoparticles: Challenges & Future Prospects", 1 Lorentz Center, Leider, the Netherlands, 8-23 June 2007, "Decoration of Multi-Wall Carbon Nanotubes with FePt nanoparticles" T. Tsoufis, A. Tomou, D. Gournis, I. Panagiotopoulos, V. Georgakilas, B. Kooi, A. Douvalis and T. Bakas.
- International Conference on Diamond and Carbon Materials, 7-11/9/ 2014, Madrid, Spain. "Water dispersible graphene/carbon nanotube hybrids" V. Georgakilas, A. Kouloumpis, D. Gournis.

R e s e a r c h P r o j e c t s

THALES. Investing in knowledge society through the European Social Fund (377278). (2012-2015) « High performance nanocomposite materials: reinforcement of polymers with advanced carbon and silica nanostructures»

V a r i o u s s c i e n t i f i c a c t i v i t i e s

Referee to the following journals:

Americal Chemical Society	Royal Chemistry Society	Elsevier	Institute of Physics Publishing
<i>J. of American Chemical Society</i>	<i>J. of Material Chemistry</i>	<i>Materials letters</i>	<i>Nanotechnology</i>
<i>Chemistry of Material</i>	<i>Chemical Communication</i>	<i>Chem. engineering & processing</i>	<i>Semicond. Sci. & Technology</i>
<i>Langmuir</i>	<i>Phys. Chem. Chem. Phys.</i>	<i>Material chemistry and physics</i>	<i>J. of Physics: Cond. Material</i>
<i>J. of Physical Chemistry B</i>	<i>Nanoscale</i>	<i>Journal of electrochemistry,</i>	<i>J. of Physics: Applied Physics</i>
<i>Applied Material & Interfaces</i>		<i>Carbon</i>	<i>Nanoscale Research Letters</i>

Talks.

- 4th FUNCARS Meeting, Vienna, Austria, 2001. **“From Fullerenes to Carbon Nanotubes and Nanorods”**,
- 5th Reporting and discussion FUNCARS Meeting, Strasbourg, France, 2001, **“Novel nano materials”**,
- 6th FUNCARS Meeting, Fribourg, Swiss, 2002, **“Modifying Carbon Nanotubes”**,
- Institute of Physical Chemistry N.S.C.R “Demokritos” 2002, **“Chemistry of Nanostructured Materials”**
- 1^o Hellenic Congress of porous Materials, Ioannina 2003, **“Chemical Reactions in layered materials”**,
- Summer School 2003, Institute of Material Science, N.C.S.R “Demikritos” **“Nanostructured Carbon Materials”**.
- Workshop 2011 **“Emerging technologies in micro and nano electronics and eco-friendly aspects”** University of Crete, Physics Dept, Invited lecture **“Synthesis , chemical functionalisation and characterisation of carbon nanostructures”**
- NanoCon 2011, Brno, Czech Republic, 2011. Invited lecture **“Multipurpose organically modified carbon nanostructures”**.
- 5th NanoCon conference 2013, Brno, Czech Republic, 2013. **“Dispersion of Carbon Nanostructures in Polymer Matrices A New Route to Hybrid Nanocomposites”**.
- Regional Center (RCPTM) Olomouc (Checz Republic). Invited lecture **“Working with Carbon”** August 2014.

Seminars – Schools.

- Educational Seminar FUNSPEC 2001, “An introductory Course to Solid State Spectroscopy” Vienna, Austria, 2001.