

Pour de plus de détails, merci de consulter ma page personnelle à l'URL suivante :

<http://eflahaut.nano.free.fr>

Vous trouverez mon CV résumé sur la page suivante.

Emmanuel Flahaut

Curriculum Vitae

CNRS RESEARCH DIRECTOR (DR2), HDR (Habilitation)

Education / Professional experience

2010 -	Promoted CNRS Research Director
2007	Habilitation à Diriger des Recherches (HDR) , University P. Sabatier, Toulouse III
2001 – 2010	CNRS Researcher at the CIRIMAT
2000 – 2001:	Post-doctoral research fellow at Oxford University (UK), Inorganic Chemistry Laboratory
1996 – 1999:	PhD in Materials Science , University P. Sabatier, Toulouse III
1994 – 1995:	Research Master in Electrochemistry, University J. Fourier, Grenoble I
1993 – 1995:	Engineering degree at ENSEEG (Process Engineering, electrochemistry), National Polytechnic Institute of Grenoble

Participation to University Councils (University Paul Sabatier, Toulouse III):

- Scientific council of the UFR (Research and Training Unit) "Physics-Chemistry-Automatics" of Toulouse 3 University (2003-2007)
- Administration council of UFR (Research and Training Unit) "Physics-Chemistry-Automatics" of Toulouse 3 University (2007-2011)

Scientific expertise:**• Participation to groups of experts:**

- [OMNT](#) expert (Observatory of Micro & Nano Technologies, joint CNRS/CEA laboratory) in the workgroup "effects of nanomaterials and nanoparticles on health and the environment", since 2007
- [ANSES](#) expert (**Government Agency**: French Agency for Food, Environmental and Occupational Health and Safety), Expert Committee: "Assessment of the risks related to physical agents, new technologies and development areas", since 2008; ANSES Workgroups on "nano-risk" evaluation. [AFSSAPS](#) expert since 2011.

• Editorial activity:

Member of the editorial board of the journal "Particulate Science and Technology: An international journal"

• International conferences and workshops:

Member of the Scientific board of international conferences (NanoToxicity 2007, NanoRisk 2008, IASTED NANA 2008, Carbon 2009, NanoCarb 2009, "Carbon Nanomaterial Biology, Medicine & Toxicology" workshops 2008, 2010, 2011 [co-organiser])

• Reviewing activity:

Regular reviewer for international journals such as the *Chemical Communications*, *Chemistry of Materials*, *Journal of Materials Science*, *Journal of Materials Chemistry*, *Carbon*, *ACS Nano*; occasional reviewer for *Nanotechnology*, *Chemical Physics Letters*, *Journal of Nanoscience and Nanotechnology*, *Materials Science and Engineering C*, *Catalysis Today*, *Industrial & Engineering Chemistry Research*, *Chemical Vapor Deposition*, *Journal of the European Ceramic Society*, etc.

Regular project reviewer for the French ANR (National Research Agency); **occasional reviewer for foreign institutions** (Swiss National Science Foundation, Israel Science Foundation) or the European Commission (FP7/NMP), the Kazakhstan Ministry of Education and Science, or French institutes (CNRS, C'Nano, Aquitaine region, Rhone-Alpes region, etc.).

External Examiner (reviewer) for PhD defences in the UK, Venezuela and France.

"FUNDING ID":

Current grants (as PL (Partner Leader) or coordinator):

Period of activity	Origin	Acronym	Total funding awarded	Role
2010 – 2014	French ANR	MESONNET(*)	88 400 €	PL
2011 – 2015	French ANR	DECANO (**)	167 419 €	PL

(*) "Pocket-size mesocosms for the investigation of the environmental impact of nanoparticles"

(**) "Biodegradation of carbon nanotubes"

Previous recent grants (as PL (Partner Leader) or coordinator):

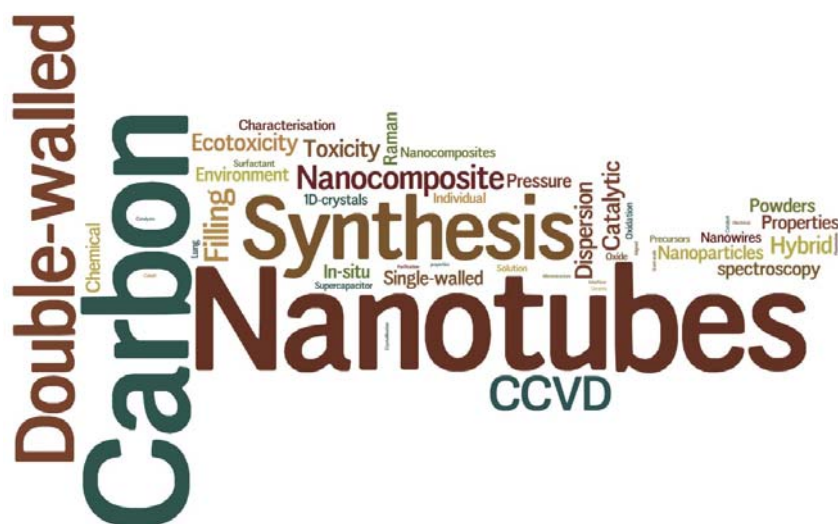
Period of activity	Origin	Acronym	Total funding awarded	Role
2006 – 2009	French ANR	NTCTOX	115 000 €	Coordinator
2006 – 2009	Intel Ireland		75 000 €	Coordinator
2006 – 2010	FP6/RTN	CARBIO	336 886 €	PL
2008 – 2011	Intel Ireland		75 000 €	Coordinator
2009-2011	French ANR	NanoComm	89 528 €	PL

Track-Record**h-index: 30 ; >3100 total citations excluding self-citation [total: >3570] (Web of Knowledge, Sept. 2012)**

- Publications in international peer-reviewed journals:	135
- Patents (French):	1
- Proceedings / book chapters:	28 / 8
- Oral communications at conferences: (Including 31 international invited ones)	136
- Poster communications / seminars:	140 / 21

Full list of publications available at: <http://eflahaut.nano.free.fr/publications.html>**Fellowships, prizes and awards**

- Doctoral (PhD) fellowship from the French Ministry of Defence
- Post-doctoral fellowship from the French Ministry of Defence
- **Brian Kelly award (British Carbon Group, 2006)**
- **Jean Rist award (French Society of Materials and Metallurgy, 2007)**
- **Paul Sabatier award ("Académie des Sciences, Inscriptions et Belles Lettres" of Toulouse (founded in 1640), 2007).**
- **INP INNOV' award (National Polytechnic Institute of Toulouse), 2011**, category "Research – Industry partnership", *collective award* for the creation of a common laboratory with the company Arkema France ("Nautile", ecotoxicology of carbon nanotubes).



Tag-cloud automatically generated from keywords of my publication list, illustrating my research field.

T. Hertel, A. Hagen, V. Talalaev, K. Arnold, F. Hennrich, M. Kappes, S. Rosenthal, J. McBride, H. Ulbricht, E. Flahaut
Nano Letters, 5, (3), (2005), 511-514

"Spectroscopy of Single- and Double-Wall Carbon Nanotubes in Different Environments"

[IF 2012= 13.2 ; 123 citations ; 3 publications in this journal, totalizing > 176 citations]

E. Heister, C. Lamprecht, V. Neves, C. Tilmaciu, L. Datas, E. Flahaut, B. Soula, P. Hinterdorfer,
H. M. Coley, S. R. Silva, J. McFadden

ACS Nano, 4, (5), (2010), 2615-2626

"Higher dispersion efficacy of functionalized carbon nanotubes in chemical and biological environments"

[IF 2012= 10.7 ; 23 citations ; 2 publications in this journal, totalizing > 39 citations]

P. Lukanov, V. K. Anuganti, Y. Krupskaya, A-M. Galibert, B. Soula, C. Tilmaciu, A.H. Velders, R. Klingeler,
B. Büchner, E. Flahaut

Adv. Funct. Mater., 21, (2011), 3583-3588

"CCVD synthesis of carbon-encapsulated Cobalt nanoparticles for biomedical applications"

[IF 2012= 10.2 ; 0 citation ; 2 publications in this journal, totalizing > 12 citations]

E. Flahaut, F. Agnoli, J. Sloan, C. O'Connor, M. L. H. Green

Chem. Mater., 14, (2002), 2553-2558

"CCVD Synthesis and Characterization of Cobalt-Encapsulated Nanoparticles"

[IF 2012= 7.28 ; 90 citations ; 6 publications in this journal, totalizing > 148 citations]

F. Mouchet, P. Landois, P. Puech, E. Pinelli, E. Flahaut, L. Gauthier

Nanomedicine, 5, (6), (2010), 963-974

"CNT ecotoxicity in amphibians: assessment of multi-walled carbon nanotubes and comparison with double-walled carbon nanotubes"

[IF 2012= 6.5 ; 5 citations ; 2 publications in this journal, totalizing > 9 citations]

E. Flahaut, R. Bacsa, A. Peigney, Ch. Laurent

Chem. Commun., (2003), 1442-1443

"Gram-Scale CCVD Synthesis of Double-Walled Carbon Nanotubes"

[IF 2012= 6.08 ; 149 citations ; 4 publications in this journal, totalizing > 237 citations]

A. Peigney, Ch. Laurent, E. Flahaut, R. Bacsa, A. Rousset

Carbon, 39, (2000), 507-514

"Specific surface area of carbon nanotubes and bundles of carbon nanotubes"

[IF 2012= 6 ; 345 citations ; 11 publications in this journal, totalizing > 345 citations ; recently ranked 22nd among the 50 most cited papers of the journal *Carbon*]

E. Flahaut, A. Peigney, Ch. Laurent, A. Rousset

J. Mater. Chem., 10, (2000), 249-252

"Synthesis of single-walled carbon nanotube-Co-MgO composite powders and extraction of the nanotubes"

[IF 2012= 5.96 ; 207 citations ; 4 publications in this journal, totalizing > 277 citations]

E. Flahaut, A. Peigney, Ch. Laurent, Ch. Marlière, F. Chastel, A. Rousset

Acta Mater., 48, (2000), 3803-3812

"Carbon nanotube-metal-oxide nanocomposites: microstructure, electrical conductivity and mechanical properties"

[IF 2012= 3.75 ; 262 citations ; 2 publications in this journal]

C. Salvador-Morales, E. Flahaut, E Sim, J. Sloan, M.L.H.Green, R. B. Sim

Molecular Immunology, 43, (3), (2006), 193-201

"Complement activation and protein adsorption by carbon nanotubes"

[IF 2012= 3.02 ; 128 citations ; 1 publications in this journal]

These 10 publications correspond to a total of 1633 citations.