André Vioux

Birth date : 09/09/1951

Professor

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- Assistant-Director of CNRS-University laboratory UMR 5253, « Institut Charles Gerhardt » of Montpellier,
- Head of the Chemistry Department of Université Montpellier 2

Brief curriculum vitae

- PhD (Montpellier, 1981) in coordination chemistry under the supervision of Pr Robert Corriu
- Post-doc (Paris, 1984) in sol-gel chemistry under the supervision of Pr Jacques Livage
- Since October 1998, Full Professor in the University of Montpellier 2

Current Research Interests

- Non-hydrolytic sol-gel
- Sol-gel in ionic liquids; ionogels and applications
- Organic-inorganic hybrid materials

Previous professional experiences

- Director of CNRS-University laboratory UMR 5637, « Chimie Moléculaire et Organisation du Solide », from 1999 to 2006
- Member of of the « Comité National des Universités » (section 32) from 2000 to 2003.
- Member of the « Comité National de la Recherche Scientifique » (section 14) from 2004 to 2007.
- Member of Interdisciplinary Commission « Impacts sociaux et développement des nanotechnologies » (CID 43) from 2004 to 2007.
- Member of the management committee of Université Montpellier 2

Scientific Production

- 137 publications on SciFinder Scholar (105 on ISI Web of Science); 10 patents.
- Times cited >3700; average citations per item: >36; h-index: 39 (ISI Web of Science).

- Most cited articles: Non-hydrolytic sol-gel routes to oxides, Vioux, A., *Chem. Mater*. 1997, 9, 2292 (≈240 times cited); Anchoring of phosphonate and phosphinate coupling molecules on titania particles, Guerrero G., Mutin P.H., Vioux A., *Chem. Mater*. 2001, 11, 4367 (>170 times cited).
- Guest editor of the special issue of *J. Sol-Gel Sci. Tech*. devoted to the *14th International Sol-Gel Conference* (Montpellier, 2-7 Sept. 2007)

5 significant publications within the last 5 years

Le Bideau J., Gaveau P., Bellayer S., Neouze M.-A. & Vioux A., Effect of confinement on ionic liquids dynamics in monolithic silica ionogels. 1H NMR study; *J. Phys. Chem. Chem. Phys*. *9*, 5419 (2007)

Mutin, P.H. and A. Vioux, Nonhydrolytic Processing of Oxide-Based Materials: Simple Routes to Control Homogeneity, Morphology, and Nanostructure. *Chem. Mater*. , *21*, 582-596 (2009)

Lunstroot, K., K. Driesen, P. Nockemann, K. Van Hecke, L. Van Meervelt, C. Gorller-Walrand, K. Binnemans, S. Bellayer, L. Viau, J. Le Bideau, and A. Vioux, Lanthanide-doped luminescent ionogels. *Dalton Trans*., 298-306 (2009)

F. Gayet, L. Viau, F. Leroux, S. Monge, J.-J. Robin and A. Vioux, Polymer nanocomposite ionogels, high-performance electrolyte membranes. *J. Mater. Chem. 20*, 9456-62 (2010)

Viau, L., C. Tourne-Peteilh, J.-M. Devoisselle, and A. Vioux, Ionogels as drug delivery system: one-step sol-gel synthesis using imidazolium ibuprofenate ionic liquid. *Chem. Commun*.,. *46*, 228-230 (2010)

Le Bideau, J., L. Viau, and A. Vioux, Ionogels, ionic liquid based hybrid materials. *Chem. Soc. Rev*.,. *40*, 907-925 (2011)