



P. Schmuki

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “TiO<sub>2</sub> Nanotubes: Synthesis and Applications”: P. Roy, S. Berger, P. Schmuki, *Angew. Chem.* **2011**, 123, 2956–2995; *Angew. Chem. Int. Ed.* **2011**, 50, 2904–2939.

## Patrik Schmuki

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<b>Education:</b>	1988 MSc in Physical Chemistry, University of Basel (Switzerland) 1992 PhD with Prof. Dr. H. Böhm, ETH-Zurich (Switzerland) 1994–1997 Postdoc at BNL (Brookhaven, NY) and at NRC, Ottawa, Canada 1997–2000 “Maître d’enseignement et de recherche” EPF-Lausanne
<b>Awards:</b>	<b>1992</b> ETH medal for PhD thesis; <b>2005</b> H.H. Uhlig Award, NACE International; <b>2008</b> Fellow of the Electrochemical Society; <b>2008</b> Volta Award of The Electrochemical Society; <b>2011</b> Uhlig Award of The Electrochemical Society
<b>Current research interests:</b>	Electrochemistry and materials science at the nanoscale, with a particular focus on functional materials and the control of self-assembly processes.
<b>Hobbies:</b>	Soccer, TV, chemistry

**If I could be anyone for a day, I would be ...** Neil Armstrong on the moon.

**In a spare hour I ...** watch stand-up comedy (Bill Hicks is my all time favorite).

**Looking back over my career, I ...** am happy to have met so many great, passionate, and kind people, [also in science ;-)].

**My first experiment was ...** to test if “‘non-flammable’ is not a challenge”<sup>[1]</sup> holds.  
[1] B. Simpson et al., Season 11, Episode 17.

**My favorite bands are ...** Led Zeppelin\* and AC/DC\* [\*both with equal contributions].

**My favorite books are ...** “1984” (more true than ever) and “The Hitchhikers Guide to the Galaxy” (actually the BBC radioplay is even better than the book).

**The most important future applications of my research are ...** the time machine and eternal life (hmm... hopefully).

**My biggest inspiration is ...** random thinking on a Sunday morning in bed while enjoying a cup of coffee.

**The biggest challenge facing scientists is ...** politics.

**The greatest technological advance of the last decade was ...** the introduction of satellite navigation systems.

**My science “heroes” are ...** Michael Faraday, Marie Curie, and Isaac Asimov.

**The secret of being a successful scientist is ...** hard work, a playful spirit, and a self-critical mind.

**The most important thing I learned from my students is ...** to take an international, multicultural view on life.

**My favorite saying is ...** what goes around, comes around.

**What I appreciate most about my friends is ...** honesty, humor, and true support in hard times.

### My 5 top papers:

1. “TiO<sub>2</sub> Nanotubes: Synthesis and Applications”: P. Roy, S. Berger, P. Schmuki, *Angew. Chem.* **2011**, 123, 2956–2995; *Angew. Chem. Int. Ed.* **2011**, 50, 2904–2939.
2. “On the stability of rivulet flow”: P. Schmuki, M. Laso, *J. Fluid Mech.* **1990**, 215, 125–143.
3. “Nanosize and Vitality: TiO<sub>2</sub> Nanotube Diameter Directs Cell Fate”: J. Park, S. Bauer, K. von der Mark, P. Schmuki, *Nano Lett.* **2007**, 7, 1686–1691.
4. “Light Emitting Micropatterns of Porous Si Created at Surface Defects”: P. Schmuki, L. E. Erickson, D. J. Lockwood, *Phys. Rev. Lett.* **1998**, 80, 4060–4063.
5. “Smooth Anodic TiO<sub>2</sub> Nanotubes”: J. M. Macak, H. Tsuchiya, L. Taveira, S. Aldabergerova, P. Schmuki, *Angew. Chem.* **2005**, 117, 7629–7632; *Angew. Chem. Int. Ed.* **2005**, 44, 7463–7465.

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