



Macro Group UK Medal for Outstanding Achievement 2008



Prof. Markus Antonietti (MPI fuer Kolloide und Grenflaeche, Golm, Potsdam, Germany) received a call for Max Planck Directorship in 1993, as one of the youngest directors ever and took over an Institute of the former Academy of Sciences of the GDR and restructured it to a modern European Science Institution. This was not only a scientific, but also a social and humanistic task. In 2007 the institute scored No.1 as the top institution in the comparative evaluation of German chemistry evaluation, which testified the successful accomplishment of the mission after 14 years, only. His group has a current size of 60 people, mostly young scientists in the phase of career shaping. He has co-authored 385 papers in a rather broad and

interdisciplinary fashion, covering polymer science, colloid science, material chemistry, nanoscience, and physical chemistry. This made me currently to the most cited material scientist in Germany (Europe: No.2) and high-listed in chemistry at the same time (pos.175, worldwide). 40 of his papers from the last 10 years are filed as "ISI most cited", receiving more than 2000 citations per year, and his Hirsch-index is 67. He is best known for my work on Amphiphilic Block Copolymers, their self organization, and their use for hybrid material synthesis with nanostructures. In addition, he has worked on crystallization control by amphiphilic copolymers and developed (with H.Cölfen) the concept of mesocrystallization. His biggest "applied" success is presumably the development of stable nanodroplets as nanoreactors (together with K. Landfester, see ref. 8). This has found entry already in some industrial products of water based polymer dispersions, with rapidly increasing patent and product coverage.
