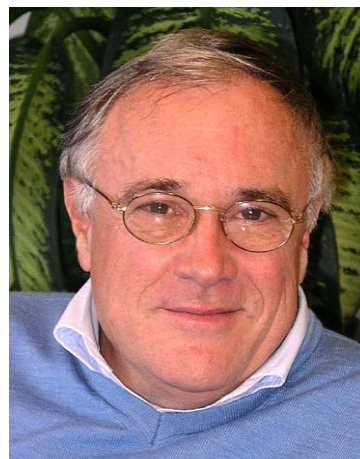


Prof. Dr. Klaus Müllen

1. Personal information

Name Professor Klaus Müllen
Date and place of birth Cologne, 02.01.1947
Business address Max-Planck-Institut für
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Ackermannweg 10, D-55128
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2. Professional Career

1966 – 1969 Studies in Chemistry
University of Cologne
1969 Diplomchemiker-Degree (Professor E. Vogel)
1971 PhD-work, University of Basel (Professor F. Gerson)
1972 – 1978 Postdoctoral-training and Habilitation (Professor J.F.M. Oth) ETH Zürich
1977 Privatdozent ETH Zürich
1979 – 1984 Professor University of Cologne
1983 – 1989 Professor University of Mainz
1988 Call from the University of Göttingen
1989 Scientific Member of the Max-Planck-Society and Director at the Max-Planck-Institute for Polymer Research
1992 Call from the University of Cologne

3. Professional Duties

1995 Member of the Evaluation Board of Volkswagenstiftung
1995 Member of the Editorial Boards of Macromolecular Chemistry and Physics, Journal of Materials Chemistry, Journal of Macromolecular Science, Pure and Applied Chemistry
Editor of Synthetic Metals
1998 Editor of Polymer Bulletin
1998 Member of the Evaluation Committee of Chemistry Departments in Nordrhein-Westfalen (Germany)
1999 Member of the Selection Committee of the Alexander-von-Humboldt-Foundation
2000 Member of the Advisory Board of the Center of Nanoscience, University of Munich
Member of the Evaluation Committee of Chemistry Departments of Universities of Fribourg and Neuchatel (Switzerland)
2001 Member of the Evaluation Committee for Chemistry in the Netherlands
2003 Member of the Editorial Board of the Journal of the American Chemical Society
Chairman of the Advisory Committee of "Eidgenössisches Materialprüfungsamt"
2004 Member of the Editorial Board of Chemistry of Materials
2005 Member of the Editorial Board of Chemistry Letters
Member of the Editorial Board of Chemistry World
Member of the Editorial Board of Accounts of Chemical Research
2006 Member of the Editorial Board of Macromolecules
Member of the Editorial Board of the Indian Journals of Macromolecules, Chemistry and BioChemistry
Member of the Senate Committee of the German Science Foundation
Associate Editor of the Journal of the American Chemical Society

2008-2009 President of the German Chemical Society

4. Awards and Lectureships

1990 Visiting Professor, University of Osaka (JSPS)
1993 Max-Planck-Research-Prize
1993 Honorary Professor, East China University of Technology, Shanghai
1995 Richard-Willstätter-Lecturer, Jerusalem
1996 "Capita-Selecta"-Lecturer, Katholieke University of Leuven
1997 Philip-Morris-Research-Prize
1997 Melville-Lecturer, University of Cambridge
1998 Visiting Professor, University of Rennes
1999 Member of the German Academy Leopoldina
2000 Bruno-Werdelmann-Lecturer, University of Essen
2001 Honorary Doctorate Degree, University of Sofia
2001 Bayer Distinguished Lecturer, Washington University, St. Louis
2001 Smets-Lecturer, Belgium
2001 Nozoe-Award, San Diego
2002 Lane Lecturer, Champaign, University of Urbana
2002 Kyoto University Foundation Award
2003 Science Award of the "Stifterverband"
2005 Visiting Scientist (University of Nice)
2006 International Award of the Belgian Polymer Group
2006 Honorary Professor, Chinese Academy of Sciences, Institute of Applied Chemistry, Changchun
2006 Butler Lecturer, University of Florida, Gainesville
Barré Lecturer, University of Montreal
Bender Lecturer, Northwestern University, Evanston
ICI Distinguished Lecturer, University of Calgary
2007 Otto-Bayer-Lecturer, University of Cologne
2008 Hermanos Elhuyar – Hans Goldschmidt Award of the Spanish Chemical Society
Visiting Professor, University of Bordeaux
Honorary Professor, Institute of Chemistry, Beijing, Chinese Academy of Sciences
Bayer Lecturer, University of Pittsburgh
S. Kwolek Lecturer, Carnegie Mellon University,
Innovation Award of the State of North Rhine Westphalia
Nicolaus August Otto Award
2009 Visiting Scientist, University of Marseille
The Society of Polymer Science Japan International Award
Honorary Member of the Israel Chemical Society
Honorary Professorship, Jiao Tong University, Shanghai, China
2010 Honorary Professorship, University of Heidelberg
Honorary Doctorate Degree, Karlsruhe Institute of Technology (KIT)
The European Research Council (ERC) Advanced Investigator Grant
2011 Polymer Award of the American Chemical Society

5. Research targets

- New polymer-forming reactions including methods of organometallic chemistry;
- multi-dimensional polymers with complex shape-persistent architectures;
- functional polymeric networks, in particular for catalytic purposes;
- dyes and laser writing into polymers;
- chemistry and physics of single molecules;
- molecular materials with liquid crystalline properties for electronic and optoelectronic devices;
- materials for lithium or hydrogen storage;
- biosynthetic hybrids;
- nanocomposites.

Ten most important publications

Total number of reviewed publications: 1080

(The most important paper marked in bold.)

1. *Atomically Precise Bottom-up Fabrication of Graphene Nanoribbons*
Jinming Cai, Pascal Ruffieux, Rached Jaafar, Marco Bieri, Thomas Braun, Stephan Blankenburg, Matthias Muoth, Ari P. Seitsonen, Moussa Saleh, Xinliang Feng, Klaus Müllen, Roman Fasel
Nature in print (2010)
2. *Forever young: polycyclic aromatic hydrocarbons as model cases for structural and optical studies*
Ralf Rieger Klaus Müllen
J. Phys. Org. Chem. 23, 315-325 (2010)
3. *Macromolecular scaffolding: The relationship between nanoscale architecture and function in multichromophoric arrays for organic electronics*
Vincenzo Palermo, Erik Schwartz, Chris E. Finlayson, Andrea Liscio, Matthijs B. J. Otten, Sara Trapani, Klaus Müllen, David Beljonne, Richard H. Friend, Roeland J. M. Nolte, Alan E. Rowan, Paolo Samorì
Adv. Mater. 22, E81-E88 (2010)
4. *Nanographene-Constructed Hollow Carbon Spheres and Their Favorable Electroactivity with Respect to Lithium Storage*
Shubin Yang, Xinliang Feng, Linjie Zhi, Qian Cao, Joachim Maier, Klaus Müllen
Adv. Mater. 22, 838-842 (2010)
5. *Nitrogen-Doped Ordered Mesoporous Graphitic Arrays with High Electrocatalytic Activity for Oxygen Reduction*
Ruili Liu, Dongqing Wu, Xinliang Feng, Klaus Müllen
Angew. Chem. Int. Ed. 49, 2565-2569 (2010)
6. *The Influence of Morphology on High-Performance Polymer Field-Effect Transistors*
Hoi Nok Tsao, Don Cho, Jens Wenzel Andreasen, Ali Rouhanipour, Dag W. Breiby, Wojciech Pisula, Klaus Müllen
Adv. Mater, 21, 209-212 (2009)
7. *Dispersion of Graphene Sheets in Organic Solvent Supported by Ionic Interactions*
Yanyu Liang, Dongqing Wu, Xinliang Feng, Klaus Müllen
Adv. Mater, 21, 1679-1683 (2009)
8. *Filling the Cavity of Conjugated Carbazole Macrocycles with Graphene Molecules: Monolayers Formed by Physisorption Serve as a Surface for Pulsed Laser Deposition*
Bruno Schmaltz, Ali Rouhanipour, Hans Joachim Räder, Wojciech Pisula, Klaus Müllen
Angew. Chem. Int. Ed, 48, 720-724 (2009)
9. *Self-Assembly of a Donor-Acceptor Dyad Across Multiple Length Scales: Functional Architectures for Organic Electronics*
Jeffrey M. Mativetsky, Marcel Kastler, Rebecca C. Savage, Desirée Gentilini, Matteo Palma, Wojciech Pisula, Klaus Müllen, Paolo Samorì
Adv. Funct. Mater. 19, 2486-2494 (2009)

10. *Towards high charge-carrier mobilities by rational design of the shape and periphery of discotics*

Xinliang Feng, Valentina Marcon, Wojciech Pisula, Michael Ryan Hansen, James Kirkpatrick, Ferdinand Grozema, Denis Andrienko, Kurt Kremer, Klaus Müllen
Nature Materials Vol. 8, 421-426 (2009)