Curriculum Vitae, Doris Vollmer

Name

Doris Vollmer, German
2 June 1964, two children

Position/Title

Group leader, MPI for Polymer Research
University professor, Johannes Gutenberg University of Mainz

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Education/Training

2000	Habilitation in Physical Chemistry, JGU Mainz
2000 – 02	Postdoctoral: University of Edinburgh, GB (Poon)
1991 – 94	Ph.D. Physical Chemistry, Basel, CH (Eicke).
1983 – 90	Diploma in Physics, Universities of Bielefeld, Zürich and Utrecht, NL

Employment/Experience

since 2015	Professor position in the Department of Physics, JGU Mainz
since 2002	Group leader, Max Planck Institute for Polymer Research, Mainz
2001 – 2002	Marie Curie fellowship
1994 – 2000	Scientific assistant: JGU Mainz (Schmidt)

Honors, Awards, Scholarships

1998	H.-P. Kaufmann Preis der Deutschen Gesellschaft für Fettwissenschaft
2001	Marie-Curie individual fellowship
1997	Habilitation fellowship of the German Science Foundation
1994	Individual fellowship of the German Science Foundation

Other Scientific Activities

2017 – 2020	Coordinator of the EU funded Innovative Training Network (ITN) ‘Lubricant Impregnated Slippery Surfaces (LubISS)

10 Selected Publications

1. Geyer F, Schonecker C, Butt HJ, Vollmer D (2017)
   Enhancing CO2 Capture using Robust Superomniphobic Membranes.
   Advanced Materials 29, 1603524. cit. 7, IF: 21.9

2. Wooh S, Vollmer D (2016)
   Silicone Brushes: Omniphobic Surfaces with Low Sliding Angles.
   Angewandte Chemie-International Edition 55, 6822. cit. 13, IF: 12.1

3. Pham JT , Paven M, Wooh S, Kajiya T, Butt HJ, Vollmer D (2017)
   Spontaneous jumping, bouncing and trampolining of hydrogel drops on a heated plat.
   Nature Communications 8, 905. cit. 2, IF: 12.4

4. Schellenberger F, Xie J, Encinas N, Hardy A, Klapper M, Papadopoulos P, Butt HJ, Vollmer D (2015)
   Direct observation of drops on slippery lubricant-infused surfaces.
   Soft Matter 11, 7617. cit. 69, IF: 3.9

5. Butt HJ, Semprebon C, Papadopoulos P, Vollmer D, Brinkmann M, Ciccotti M (2013)
   Design principles for superamphiphobic surfaces.
   Soft Matter 9, 418. cit. 110, IF: 3.9

6. Papadopoulos P, Mammen L, Deng X, Vollmer D*, Butt HJ (2013)
   How superhydrophobicity breaks down.
   Proceedings of the National Academy of Sciences of the United States of America 166, 3254. cit. 148, IF: 9.7

7. Papadopoulos P, Deng X, Mammen L, Drotlef DM, Battagliarin G, Li C, Mullen K, Landfester K, del Campo A, Butt HJ, Vollmer D (2012)
   Wetting on the Microscale: Shape of a Liquid Drop on a Microstructured Surface at Different Length Scales.
   Langmuir 28, 8392. cit. 43, IF: 3.8

8. Deng X, Mammen L, Butt HJ, Vollmer D (2012)
   Candle Soot as a Template for a Transparent Robust Superamphiphobic Coating.
   Science 335, 67. cit. 822, IF: 37,2

9. Deng X, Mammen L, Zhao YF, Lellig P, Mullen K, Li C, Butt HJ, Vollmer D (2011)
   Transparent, Thermally Stable and Mechanically Robust Superhydrophobic Surfaces Made from Porous Silica Capsules.
   Advanced Materials 23, 2962. cit. 279, IF: 21.9

10. Zhang L, D'Acunzi M, Kappl M, Auernhammer GK, Vollmer D*, van Kats CM, van Blaaderen A (2009)
    Hollow Silica Spheres: Synthesis and Mechanical Properties.
    Langmuir 25, 2711. cit. 111, IF: 3.8