

## List of publications

1. Deng, X., L. Mammen, H.-J. Butt & D. Vollmer: Candle soot as a template for a transparent robust superamphiphobic coating.  
*Science* **2012**, 335, 67-70. [819 cit.](#)
2. Butt, H.-J., C. Semprebon, P. Papadopoulos, D. Vollmer, M. Brinkmann & M. Ciccotti: Design principles for superamphiphobic surfaces.  
*Soft Matter* **2013**, 9, 418-428. [109 cit.](#)
3. Natalio, F., T. Corrales, M. Panthöfer, W.E.G. Müller, M. Kappl, H.-J. Butt & W. Tremel: Flexible Minerals: Self-assembled calcite spicules with extreme bending strength.  
*Science* **2013**, 339, 1298-1302. [62 cit.](#)
4. Paven, M., P. Papadopoulos, S. Schöttler, X. Deng, V. Mailänder, D. Vollmer & H.-J. Butt: Super liquid-repellent gas membranes for carbon dioxide capture and heart–lung machines.  
*Nature Communications* **2013**, 4, 2512. [47 cit.](#)
5. Wooh, S., H. Huesmann, M. Nawaz Tahir, M. Paven, K. Wichmann, D. Vollmer, W. Tremel, P. Papadopoulos & H.-J. Butt: Synthesis of mesoporous supraparticles on superamphiphobic surfaces.  
*Adv. Mater.* **2015**, 27, 7338-7343. [22 cit.](#)
6. Schellenberger, F., N. Encinas, D. Vollmer, H.-J. Butt: How water advances on superhydrophobic surfaces.  
*Phys. Rev. Lett.* **2016**, 116, 096101. [54 cit.](#) Highlighted by: P. Ball, *Nature Mater.* **2016**, 15, 376; L. Courbin, *Physics* **2016**, 29, 23.
7. Natalio, F., R. Fuchs, S.R. Cohen, G. Leitius, G.F. Popovski, O. Paris, M. Kappl & H.-J. Butt: Biological fabrication of cellulose fibers with tailored properties.  
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8. Wooh, S., N. Encinas García, D. Vollmer & H.-J. Butt: Stable hydrophobic metal-oxide photocatalysts via grafting polydimethylsiloxane brush.  
*Adv. Mater.* **2017**, 29, 1604637. [11 cit.](#)
9. Gao, N., F. Geyer, D.W. Pilat, S. Wooh, D. Vollmer, H.-J. Butt & R. Berger: How drops start sliding over solid surfaces.  
*Nature Physics* **2018**, 14, 191-196. [2 cit.](#)
10. Butt, H.-J., R. Berger, W. Steffen, D. Vollmer, S.A.L. Weber: Adaptive wetting – adaptation in wetting.  
*Langmuir* **2018**, 34, 11292-11304.

[# of citations based on Web of Science]