

Ten most important publications of Rüdiger Berger (*corresponding author)

Researcher ID A-5210-2009; Number of publications: 174; H-Index: 36 (October 2018).

1. **How drops start sliding over solid surfaces**, N. Gao, F. Geyer, D.W. Pilat, S. Wooh, D. Vollmer, H.-J. Butt and R. Berger*, *Nature Physics* 14, 191-196 (2018). [[#2](#)]
2. **Energy Dissipation of Moving Drops on Superhydrophobic and Superoleophobic Surfaces**, H.-J. Butt*, N. Gao, P. Papadopoulos, W. Steffen, M. Kappl, R. Berger, *Langmuir* 33, 107-116 (2017). [[#12](#)]
3. **Controlled Mutual Diffusion between Fullerene and Conjugated Polymer Nanopillars in Ordered Heterojunction Solar Cells**, J. Ko, J. Song, H. Yoon, T. Kim, C. Lee, R. Berger*, K. Char*, *Advanced Materials Interfaces*, 1600264 (2016). [[#4](#)]
4. **Real-space observation of unbalanced charge distribution inside a perovskite-sensitized solar cell**, V.W. Bergmann, S.A.L. Weber, F.J. Ramos, M.K. Nazeeruddin, M. Grätzel, D. Li, A.L. Domanski, I. Lieberwirth, S. Ahmad, R. Berger*, *Nature Communications* 5 5001, (2014). [[#139](#)]
5. **Local Time-Dependent Charging in a Perovskite Solar Cell**, V. Bergmann, Y. Guo, H. Tanaka, I. Hermes, D. Li, A. Klasen, S. Bretschneider, E. Nakamura, R. Berger*, S. Weber*, *ACS Applied Materials & Interfaces*, **8 (30)**, 19402 - 19409 (2016). [[#40](#)]
6. **Yttrium-substituted nanocrystalline TiO₂ photo-anodes for perovskite based heterojunction solar cells**, P. Qin, A.L. Domanski, A.K. Chandra, R. Berger, H.-J. Butt, M.I. Dar, T. Moehl, N. Tetreault, P. Gao, S. Ahmad*, M.K. Nazeeruddin, M. Grätzel, *Nanoscale* 6, 1508-1514 (2014). [[#110](#)]
7. **Measuring Single Small Molecule Binding via Rupture Forces of a Two-part Aptamer**, T.-H. Nguyen, L. Steinbock, H.-J. Butt, M. Helm*, R. Berger*, *Journal of the American Chemical Society*, **133**, 2025 - 2027 (2011). [[#44](#)]
8. **Micromechanical cantilever technique: A tool for investigating the swelling of polymer brushes**, G.-G. Bumbu, M. Wolkenhauer, G. Kircher, J.S. Gutmann, R. Berger, *Langmuir* 23, 2203-2207 (2007). [[#49](#)]
9. **High-resolution magnetic Co supertips grown by a focused electron beam**, I. Utke*, P. Hoffmann, R. Berger, L. Scandella, *Applied Physics Letters* 80, 4792-4794 (2002). [[#127](#)]
10. **Surface stress in the self-assembly of alkanethiols on gold**, R. Berger*, E. Delamarche, H.P. Lang, C. Gerber, J.K. Gimzewski, E. Meyer, H.-J. Güntherodt, *Science* **276**, 2021-2024 (1997). [[#420](#)]

[# of citations based on Web of Science]