

Günter Reiter: Veröffentlichungen / *publications*

Inhalt / *content*

Artikel in Fachzeitschriften / <i>articles in scientific journals</i>	1
Tagungsberichte / <i>proceedings</i>	11
Leitartikel / <i>editorials</i>	13
Buchbeiträge / <i>book chapters</i>	13
Bücher / <i>books</i>	14

Artikel in Fachzeitschriften / *articles in scientific journals*

2016

[Stabilization of nuclei of lamellar polymer crystals: Insights from a comparison of the Hoffman-Weeks line with the crystallization line](#)

Jun Xu, Barbara Heck, Hai-Mu Ye, Jing Jiang, Yi-Ren Tang, Jin Liu, Bao-Hua Guo, Renate Reiter, Dongshan Zhou, Günter Reiter. *Macromolecules* 49 (2016) 2206–2215

[How Chain-Folding Crystal Growth Determines Thermodynamic Stability of Polymer Crystals](#)

Xiaoming Jiang, Günter Reiter, Wenbing Hu. *J. Phys. Chem. B*, 120 (2016) 566–571, DOI: 10.1021/acs.jpcc.5b09324

[Assembling semiconducting molecules by covalent attachment to a lamellar crystalline polymer substrate](#)

Rainhard Machatschek, Patrick Ortmann, Renate Reiter, Stefan Mecking and Günter Reiter. *Beilstein J. Nanotechnol.* 7 (2016) 784–798

[Intrinsic Stresses in Thin Glassy Polymer Films Revealed by Crack Formation](#)

Mithun Chowdhury, Xiaoyuan Sheng, Falko Ziebert, Arnold C.-M. Yang, Alessandro Sepe, Ullrich Steiner, and Günter Reiter. *Macromolecules*, accepted

[Transient cooperative processes in dewetting polymer melts](#)

Sivasurender Chandran, Günter Reiter, *PRL* 116 (2016) 088301

[Revealing Order and Disorder in Films and Single Crystals of a Thiophene-Based Oligomer by Optical Spectroscopy](#)

Sajede Motamen, Dominic Raithel, Richard Hildner, Khosrow Rahimi, Thibaut Jarrosson, Françoise Serein-Spirau, Laurent Simon, and Günter Reiter. *ACS Photonics*, published online. DOI: 10.1021/acsp Photonics.6b00473

[Poly\(2,5-dioctylphenyl-3-thiophene\) synthesized by direct arylation polycondensation: End groups, defects and crystallinity](#)

Daniel Schiefer, Hartmut Komber, Fanuel Mugwanga Keheze, Susanna Kunz, Ralf Hanselmann, Guenter Reiter, Michael Sommer. *Macromolecules* 49 (2016) 7230-7237. DOI: 10.1021/acs.macromol.6b01795

[How Molecules with Dipole Moments Enhance the Selectivity of Electrodes in Organic Solar Cells – A Combined Experimental and Theoretical Approach](#)

Uli Würfel, Martin Seßler, Moritz Unmüßig, Nils Hofmann, Mathias List, Eric Mankel, Thomas Mayer, Günter Reiter, Jean-Luc Bubendorff, Laurent Simon, and Markus Kohlstädt. *Adv. Energy Mat.* 1600594 (2016), DOI: 10.1002/aenm.201600594

[When hole extraction determines charge transfer across metal-organic-metal structure](#)

L. V. Govor, G. Reiter and J. Parisi, *EPL*, 113 (2016) 57002

[Influence of interfacial trap states on injecting and extracting of charges across a metal-organic interface](#)

L.V. Govor, G. Reiter and J. Parisi. *J. Phys. D: Appl. Phys.* 49 (2016) 135306

[Tunneling of charge carriers across a gold–squaraine interface](#)

L.V. Govor, G. Reiter and J. Parisi, *Physics Letters A* 380 (2016) 1493–1498

[Self-assembly behavior of a rod-like polypeptide at the air-water interface](#)

Renate Reiter, Frédéric Wintzenrieth, Günter Reiter. *Polymer*, published online, <http://dx.doi.org/10.1016/j.polymer.2016.08.023>

Flow-Induced Dendritic β -Form Isotactic Polypropylene Crystals in Thin Films

Bin Zhang, Binghua Wang, JiaJia Chen, Changyu Shen, Renate Reiter, Jingbo Chen, and Günter Reiter. *Macromolecules* 49 (2016) 5145–5151. DOI: 10.1021/acs.macromol.6b01123

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Kun-Lun Xu, Bao-Hua Guo, Renate Reiter, Günter Reiter, Jun Xu. *Chinese Chemical Letters* 26 (2015) 1105–1108. DOI: 10.1016/j.ccllet.2015.06.002

Molecular Weight Dependent Changes in Morphology of Solution Grown Polyethylene Single Crystals

Bin Zhang, Jingbo Chen, Moritz C. Baier, Stefan Mecking, Renate Reiter, Rolf Mülhaupt, Günter Reiter. *Macrom. Rapid Comm.* 36, 181-189 (2015)

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Tuning Morphologies of Langmuir Polymer Films Through Controlled Relaxations of Non-Equilibrium States

Sivasunder Chandran, Stefanie Dold, Amaury Buvignier, Kai-Steffen Krannig, Helmut Schlaad, Günter Reiter, and Renate Reiter. *Langmuir* 2015, 31, 6426–6435. DOI: 10.1021/acs.langmuir.5b01212

High Temperature Stability of Dewetting-Induced Thin Polyethylene Filaments

Bin Zhang, Jingbo Chen, Paul Freyberg, Renate Reiter, Rolf Mülhaupt, Jun Xu, Günter Reiter. *Macromolecules* 48, 1518–1523 (2015)

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Hui Zhang, Muhuo Yu, Bin Zhang, Renate Reiter, Maximilian Vielhauer, Rolf Mülhaupt, Jun Xu, Günter Reiter. *PhysRevLett* 112, 237801 (2014)

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Yingying Wang, Barbara Heck, Daniel Schiefer, John O. Agumba, Michael Sommer, Tao Wen, and Günter Reiter. *ACSMacroLett.* 3, 881-885 (2014)

Some unique features of polymer crystallisation

Günter Reiter. *Chem. Soc. Rev.*, 43, 2055-65 (2014), DOI: 10.1039/C3CS60306G

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Nickel Catalyst with a Hybrid P, N Ligand for Kumada Catalyst Transfer Polycondensation of Sterically Hindered Thiophenes

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